



10/789,044

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Kie Y. Ahn et al.	Examiner:	Douglas M. Menz
Serial No.:	10/789,044	Group Art Unit:	2891
Filed:	February 27, 2004	Docket:	1303.070US2
Title:	LANTHANIDE DOPED TiO _x DIELECTRIC FILMS		

INFORMATION DISCLOSURE STATEMENT

MS RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications, and Non-Published Applications identifiable by USPTO Serial Number, are no longer required to be provided to the Office. Notification of this change to this effect was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004 and October 19, 2004. Thus, Applicant has not included copies of any US Patents or US Patent Applications identifiable by serial number that may be cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

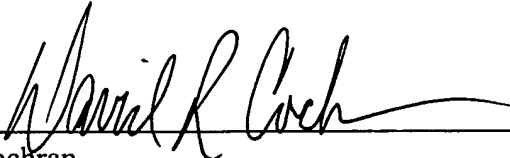
KIE Y. AHN ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 371-2157


Date 11 January 2007

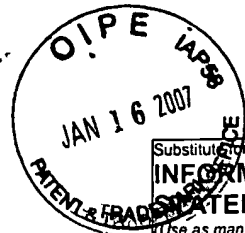
By


David R. Cochran
Reg. No. 46,632

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 11 day of January 2007.


Name


Signature



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/789,044
Filing Date	February 27, 2004
First Named Inventor	Ahn, Kie
Group Art Unit	2891
Examiner Name	Menz, Douglas

Sheet 1 of 2

Attorney Docket No: 1303.070US2

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-20010002280A1	05/31/2001	Sneh, Ofer	12/22/2000
	US-20010024387A1	09/27/2001	Raaijmakers, I , et al.	02/22/2001
	US-20020089023A1	07/11/2002	Yu, Zhiyi , et al.	01/05/2001
	US-20030228747A1	12/11/2003	Ahn, Kie Y., et al.	06/05/2002
	US-20050145959A1	07/07/2005	Forbes, Leonard	03/08/2005
	US-20050227442A1	10/13/2005	Ahn, K. Y., et al.	06/09/2005
	US-20060023513A1	02/02/2006	Forbes, L. , et al.	07/27/2004
	US-20060028867A1	02/09/2006	Forbes, L. , et al.	08/03/2004
	US-20060028869A1	02/09/2006	Forbes, L. , et al.	08/03/2004
	US-20060043504A1	03/02/2006	Ahn, K. Y., et al.	08/31/2004
	US-20060046505A1	03/02/2006	Ahn, K. Y., et al.	08/26/2004
	US-20060046522A1	03/02/2006	Ahn, K. Y., et al.	08/31/2004
	US-20060125030A1	06/15/2006	Ahn, K. Y., et al.	12/13/2004
	US-20060128168A1	06/15/2006	Ahn, K. Y., et al.	12/13/2004
	US-20060148180A1	07/06/2006	Ahn, K. Y., et al.	01/05/2005
	US-20060176645A1	08/10/2006	Ahn, K. Y., et al.	02/08/2005
	US-20060183272A1	08/17/2006	Ahn, K. Y., et al.	02/15/2005
	US-20060189154A1	08/24/2006	Ahn, K. Y., et al.	02/23/2005
	US-20060223337A1	10/05/2006	Ahn, K. Y., et al.	03/29/2005
	US-20060228868A1	10/12/2006	Ahn, K. Y., et al.	03/29/2005
	US-20060237764A1	10/26/2006	Ahn, K. Y., et al.	06/29/2006
	US-20060244082A1	11/02/2006	Ahn, K. Y., et al.	04/28/2005
	US-20060244100A1	11/02/2006	Ahn, K. Y., et al.	04/28/2005
	US-20060246741A1	11/02/2006	Ahn, K. Y., et al.	07/17/2006
	US-20060252211A1	11/09/2006	Ahn, K. Y., et al.	07/17/2006
	US-20060255470A1	11/16/2006	Ahn, K. Y., et al.	07/25/2006
	US-20060261397A1	11/23/2006	Ahn, K. Y., et al.	07/26/2006
	US-20060264064A1	11/23/2006	Ahn, K. Y., et al.	07/26/2006
	US-20060270147A1	11/30/2006	Ahn, K. Y., et al.	05/27/2005
	US-20060281330A1	12/14/2006	Ahn, K. Y., et al.	06/14/2005
	US-5,879,459	03/09/1999	Gadgil, Prasad N., et al.	08/29/1997
	US-6,617,639	09/09/2003	Wang, Z. , et al.	06/21/2002
	US-6,759,081	07/06/2004	Huganen, J. , et al.	04/30/2002
	US-6,770,923	08/03/2004	Nguyen, B.Y , et al.	03/15/2002
	US-6,884,719	04/26/2005	Chang, J. , et al.	03/19/2002
	US-7,012,311	03/14/2006	Ohmi, T. , et al.	05/29/2001
	US-7,064,058	06/20/2006	Ahn, K. Y., et al.	01/30/2004
	US-7,081,421	07/25/2006	Ahn, K. Y., et al.	08/26/2004
	US-7,084,078	08/01/2006	Ahn, K. Y., et al.	08/29/2002
	US-7,101,813	09/05/2006	Ahn, k. y., et al.	12/04/2002

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/789,044
Filing Date	February 27, 2004
First Named Inventor	Ahn, Kie
Group Art Unit	2891
Examiner Name	Menz, Douglas

Sheet 2 of 2

Attorney Docket No: 1303.070US2

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-7,129,553	10/31/2006	Ahn, K. Y., et al.	08/31/2004
	US-7,135,369	11/14/2006	Ahn, K. Y., et al.	03/31/2003
	US-7,135,421	11/14/2006	Ahn, K. Y., et al.	06/05/2002
	US-7,160,577	01/09/2007	Ahn, K. Y., et al.	05/02/2002

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
--------------------	---------------------	------------------	---	----------------

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AHN, KIE Y., "COBALT TITANIUM OXIDE DIELECTRIC FILMS", <u>U.S. Application Serial No. 11/216,958, filed August 31, 2005</u>	
		AHN, KIE Y., "GALLIUM LANTHANIDE OXIDE FILMS", <u>U.S. Application Serial No. 11/329,025 filed January 10, 2006</u>	
		AHN, KIE Y., et al., "LANTHANIDE YTTRIUM ALUMINUM OXIDE DIELECTRIC FILMS", <u>U.S. Application Serial No. 11/297,567, filed December 8, 2005</u>	
		AHN, KIE Y., "LANTHANUM ALUMINUM OXYNITRIDE DIELECTRIC FILMS", <u>U.S. Application Serial No. 11/216,474, filed August 31, 2005</u>	
		AHN, KIE Y., et al., "MAGNESIUM TITANIUM OXIDE FILMS", <u>U.S. Application Serial No. 11/189,075, filed July 25, 2005</u>	
		AHN, KIE Y., "ZIRCONIUM-DOPED GADOLINIUM OXIDE FILMS", <u>U.S. Application Serial No. 11/215,578, filed August 29, 2005</u>	
		GEALY, DANIEL F., et al., "GRADED DIELECTRIC LAYERS", <u>US Application Serial No 11/216,542, filed August 30, 2005</u>	
		KRAUS, BRENDA , et al., "CONDUCTIVE NANOPARTICLES", <u>U.S. Application Serial No. 11/197184, filed 8/4/2005</u>	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached